

### Abstract

The invention concerns a method for culturing cells in order to produce substances. According to the invention a cell line producing substances is cultured while feeding a nutrient medium in such a manner that glucose limitation occurs in the culture solution. The degree of glucose limitation  $DGL = qGlc/qGlc_{max}$  ( $qGlc$  = observed current specific glucose consumption rate;  $qGlc_{max}$  = maximum known specific glucose consumption rate for these cells).  $DGL$  is between the limits 0 and 1, where 0 means complete limitation and 1 means no limitations or complete glucose excess. According to the invention  $DGL$  is larger or equal to the  $DGL$  which only leads to the maintenance of the cell and  $\leq 0.5$ .